



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)
) Before the Examiner
 Bary W. Wilson et al.) Marthe Marc-Coleman
)
 Application No. 10/643,637)
) Group Art Unit 3661
 Filed: August 19, 2003)
)
 DIAGNOSTICS/PROGNOSTICS) September 28, 2004
 USING WIRELESS LINKS)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 28, 2004

Matthew R. Schantz

Registered Representative

Matthew R. Schantz
 Signature

September 28, 2004

Date of Signature

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
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 Alexandria, VA 22313-1450

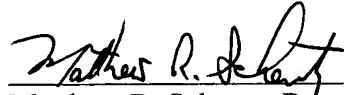
Sir:

Pursuant to the duty of disclosure in accordance with 37 CFR § 1.56, Applicants wish to bring to the attention of the Examiner the items of information listed on the enclosed Information Disclosure Citation Form. This information has not been previously submitted in this application, and has not been cited previously by the Examiner.

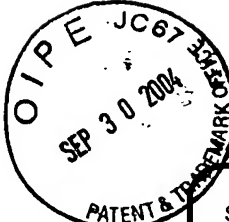
The references cited in the enclosed substitute Form SB/08 were cited in application 10/188,469, which is assigned to the assignee of this application. Because of the similar art discussed in these applications, and in an abundance of caution, a Request for Continued Examination (RCE) is being filed so that the references can also be cited in this case. It is believed that a fee of \$180.00 is due under 37 CFR § 1.17(p) for the submission of this Statement, and that a fee of \$385.00 is due under 37 CFR § 1.17(e) for

the RCE. These fees are paid by credit card per the enclosed forms. Should any additional fee be required, please charge Deposit Account No. 23-3030, but not to include any payment of issue fees.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Matthew R. Schantz", written over a horizontal line.

Matthew R. Schantz, Reg. No. 40,800
Woodard, Emhardt, Moriarty,
McNett & Henry LLP
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 14

Complete if Known

Application Number	10/643,637
Filing Date	August 19, 2003
First Named Inventor	Bary W. WILSON et al.
Group Art Unit	3661
Examiner Name	Marthe Marc-Coleman
Attorney Docket Number	50005-148 / BAT-022-CON / 12898-B

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		5,005,142	04/02/1991	Lipchak et al.	
		5,176,358	01/05/1993	Boone et al.	
		5,218,440	06/08/1993	Mathur	
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		4,743,954	05/10/1998	Brown	
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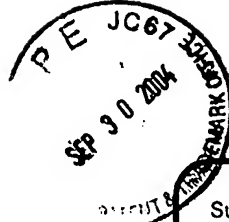
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Application Number	10/643,637		
		Filing Date	February 19, 2003		
		First Named Inventor	Bary W. WILSON et al.		
		Group Art Unit	3661		
		Examiner Name	Marthe Marc-Coleman		
Sheet	2	of	14	Attorney Docket Number	50005-148 / BAT-022-CON / 12898-B

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		5,937,202	08/10/1999	Crosetto	
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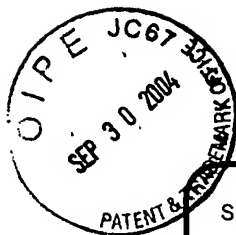
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		5,565,858	10/15/1996	Guthrie	
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		6,092,018	07/18/2000	Puskorius et al.	

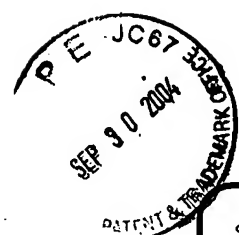
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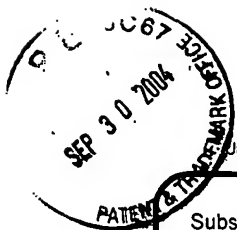
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T ²
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		Jorge D. Ortiz-Fuentes and Mikel L. Forcada, "A comparison Recurrent Neural Network Architectures for Digital Equalization," Dept. Llenguatges I Sistemes Informatics (Spain), (Dated at least as early as December 2001).	
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		Michael G. Corr and C.M. Okino, "Networking Reconfigurable Smart Sensors", Thayer School of Engineering (Dated at least as early as December 2001)	
		John C. Eidson and Stan P. Woods, "A Research Prototype of a Networked Smart Sensor System," Hewlett Packard Measurement Systems Dept. Instruments and Photonics Laboratory, August 1995.	
		C. Cretu, J.H. Correia, S.H. King, M. Bartek and R.F. Wolffenbuttel, "Flexible Architecture for Microinstrumentation Systems in Silicon", Delft University, Netherlands (Dated at least as early as December 2001.	
		Ronald J.W.T. Tangelder, Guido Diemel, Hans G. Kerkhoff, "Smart Sensor System Application: An Integrated Compas", MESA Research Institute, 1997.	
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		Steve Smith, Mark Buckner and Mike Moore, "Presentation: Distributed Synchronous Multidrop Systems - Proposed Concept IEEE 1451.3 Standard," IEEE P1451.3/4/ October 23-24, 1998 meeting.	

Examiner

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Attorney Docket Number	50005-148 / BAT-22-CON / 12898-B

Sheet 6 of 14

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T ²
		Oceana Sensor Technologies, " <u>Oceana Sensor Technologies announces the release of ICHM™2000 - Distributed processor for Machinery Health Monitoring,</u> " September 13, 2000.	
		Jeffrey Hightower and Gaetano Borriello, " <u>Location Sensing Techniques,</u> " University of Washington, pages 57-66, July 30, 2001.	
		Nirupama Bulusu, John Heidemann, Deborah Estrin, " <u>GPS-less Low Cost Outdoor Localization for Very Small Devices,</u> " University of Southern California/Information Science Institute, 2000.	
		Jeffrey Hightower and Gaetano Borriello, " <u>Location Systems for Ubiquitous Computing,</u> " University of Washington, Computer Science and Engineering, August 24, 2001.	
		Birgit Kreller and Jens Hartman, " <u>The Field Trial Scenario of an Inter-Modal, End-to-End And Real-Time Tracking and Tracing System,</u> " At least as early as Dec. 2001.	
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		Wai-Chi Fang, Guang Yang, Bedabrata Pain and Bing J. Sheu, " <u>A Low Power Smart Vision System on Active Pixel Sensor Integrated with programmable Neural Processor,</u> " IEEE Conference on Computer Design, October 1997.	
		Carla Ellis, Alvin Lebeck and Amin Vahdat, " <u>System Support for Energy Management in Mobile and Embedded Workloads: A White Paper,</u> " Department of Computer Science, Duke University, October 1999.	
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Sheet 7 of 14

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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		Number-Kind Code ² (if known)			
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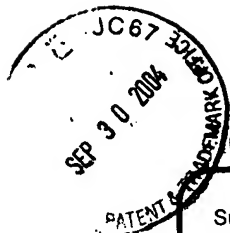
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
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		GB 2 342 998 A1	04/26/2000	Hunt		

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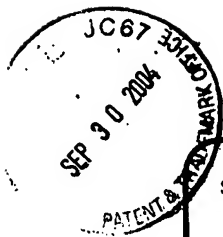
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Application Number	10/643,637
Filing Date	August 19, 2003
First Named Inventor	Bary W. WILSON et al.
Group Art Unit	3661
Examiner Name	Marthe Marc-Coleman
Attorney Docket Number	50005-148
Sheet	10 of 14

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
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		5,503,805	04/02/1996	Sugarman et al.	
		5,585,069	12/17/1996	Zanzucchi et al.	
		5,587,128	12/24/1996	Wilding et al.	
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		5,730,124	03/24/1998	Yamauchi	
		5,741,462	04/21/1998	Nova et al.	
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		6,001,571	12/14/1999	Mandecki	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		EP 0 351 988 B1	01/09/1993	McCulloch et al.		
		EP 0 420 296 A1	04/03/1991	Webster		
		WO 93/01449	01/21/1993	Andersson et al.		

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		Number-Kind Code ² (if known)			
		6,025,601	02/15/2000	Trulson et al.	
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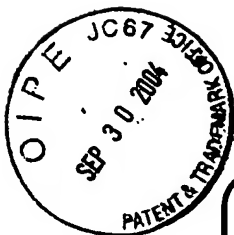
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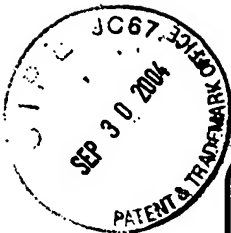
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examine r Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T ²
		Adam T. Woolley, Kaiqin Lao, Alexander N. Glazer, and Richard A. Mathies, " <u>Capillary Electrophoresis Chips with Integrated Electrochemical Detection</u> ," pp. 684-688, Dept. of Chemistry & Dept. of Molecular and Cell Biology, University of California, 1998.	
		Joseph Wang, Baomin Tian and Eskill Sahlin, " <u>Integrated Electrophoresis Chips/Amperometric Detection with Sputtered Gold Working Electrodes</u> ," pp. 3901-3904, Dept. of Chemistry & Biochemistry, New Mexico State University, 1999.	
		Doug Call, Sharon Cebula, Jennie Stults, Derek Weaver, Derek Hopkins, Jim Follansbee, and Barbara Seider, " <u>Biochemical and Biomolecular Sensing</u> ," Volume 4200, The International Society of Optical Engineering, November 2000.	

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		4118973	10/1978	Tucker et al.	
		4750351	6/1988	Ball	
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	GOODYEAR; MEMS Based Smart Tires; 1999	
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